REMARKS

The applicants appreciate the Examiner's thorough examination of the Application and request reexamination and reconsideration of the Application in view of the following remarks.

The Examiner has objected to the Abstract of the Disclosure. Applicants herein submit a substitute Abstract of the Disclosure that does not have extraneous markings at the top or bottom of the page.

The Examiner has objected to the drawings because the specification did not include the reference sign 18'. Applicants herein amend the specification at page 5, line 17 to indicate the reference sign 18'. Applicants respectfully request that the Examiner withdraw this objection.

The Examiner also objects to the drawings because the specification refers to Fig. 5 rather than Figs. 5A-D. Applicants herein amend the specification at page 5, line 7 and at page 7, line 3 to refer to Figs. 5A-D. Applicants respectfully request that the Examiner withdraw this objection to the drawings.

Applicants have added a new claim 18 which depends from claim 1 and recites that the terminals are dismountable from the circuit board to decouple the jack housing from the motherboard. Support for this amendment can be found in the subject application at page 3, line 18 to page 4, line 2 and page 6, lines 10-15.

The Examiner rejects claims 1-3 under 35 USC §102(b) as allegedly being anticipated by U.S. Patent No. 5,708,833 to Kinney et al. Applicants herein amend claim 1 to better define the invention.

The invention results from the realization that a truly simple and effective jack

module with integrated modem interface circuits which decouples the modem from the host system for purposes of independent homologation and certification while maintaining the benefits of having the modem on the system motherboard is effected by disposing the line side circuit in the jack housing and connecting the line side circuit to the jack contacts that engage with the contacts on a plug to be received while providing terminals to allow the jack housing to be easily connected/disconnected from the system motherboard.

Fig. 1 of Kinney et al. shows radio card 10 that may be inserted into a receiving device 11. Receiving device 11 has a plurality of pins 30 that are connected to a computer terminal (not shown). As the Examiner indicated, Kinney et al. describes that radio card 10 may also be a modem card 35 as shown in Figs. 2B and 2C. Kinney et al. does not teach, disclose or suggest, however, a jack module with integrated modem interface circuits that includes a jack housing and a plurality of terminals in the housing that interconnect with a circuit board, as claimed by Applicants. Rather, Kinney et al. shows a modem card 35 that is slid into receiving device 11 which does not include a circuit board or circuitry.

Kinney et al. also fails to disclose or suggest a jack module that is integrated with modem interface circuits. Instead, Kinney teaches a separate modem card that is slid into receiving device 11 that does not include any circuitry, such as a line side circuit as claimed by Applicants. Not only does Kinney et al. fail to disclose any circuitry within receiving device 11, Kinney et al. actually discloses that: "any necessary coupling transformer may be built within the computer terminal". See column 7, lines 28-29. Thus, rather than teaching that modem interface circuitry may be integrated into a jack module, Kinney et al. teaches that it is more desirable to place circuitry, such as a coupling transformer, outside the jack

housing and within a computer terminal. Thus, not only does Kinney et al. not teach the subject invention, it actually teaches away from it.

Claim 1 of the subject application as amended recites: "[a] jack module with integrated modem interface circuits comprising: a jack housing for receiving a plug; a plurality of contacts in said housing for engaging contacts on a plug; a plurality of terminals in said housing interconnecting with a circuit board; and a line side circuit integrated in said jack housing interconnecting with said contacts". Kinney et al. does not teach, disclose or suggest a jack module with integrated modem interface circuits that includes a housing and a plurality of terminals in the housing interconnecting with a circuit board.

The Examiner rejects claims 4-5 under 35 USC §103(a) as being unpatentable over Kinney et al. and in further view of U.S. Patent no. 6,307,753 to Baginy et al.; claim 6 is rejected under 35 USC §103(a) as being unpatentable over Kinney et al. and in further view of U.S. Patent No. 6,654, 409 to Scott et al.; claims 7-9 are rejected under 35 USC §103(a) as being unpatentable over Kinney et al. in view of Scott et al. and in further view of U.S. Patent No. 6,044,422 to Tran; claims 10-11 are rejected under 35 USC §103(a) as being unpatentable over Kinney et al. and in further view of U.S. Patent No. 5,783,999 to Price et al.; claim 12 is rejected under 35 USC §103(a) as being unpatentable over Kinney et al. in view of Price et al. and in further view of U.S. Patent No. 5,848,150 to Bingel et al.; claim 13 is rejected under 35 USC §103(a) as being unpatentable over Kinney et al. and in further view of U.S. Patent No. 4,506,254 to Right et al.; claim 14 is rejected under 35 USC §103(a) as being unpatentable over Kinney et al. and in further view of U.S. Patent No. 5,973,948 to Hahn et al.; claims 15-16 are rejected

under 35 USC §103(a) as being unpatentable over Kinney et al. in view of Price et al. and in further view of Scott et al.; and claim 17 is rejected under 35 USC §103(a) as being unpatentable over Kinney et al. in view of Price et al. and in further view of U.S. Patent No. 6,553,117 to Armistead et al.

Applicants have clearly described above how claim 1 is patentable over the prior art. Since claims 1-17 each depend from claim 1, each of these dependent claims are patentable for at least the reasons stated above and are further patentable since they recite one or more additional features.

If for any reason this Response is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned, or his associates, collect in Waltham, Massachusetts, at (781) 890-5678.

Respectfully submitted,

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